



CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8  
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the below date:  
Date: 9/10/04 Name: Anthony P. Curtis, Ph.D., 46,193 Signature: [Signature]

BRINKS  
HOFER  
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& LIONE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: J. Gary Eden et al.

Appln. No.: 10/782,164

Filed: February 19, 2004

For: MICRODISCHARGE DEVICES AND  
ARRAYS

Attorney Docket No: 10322/66

Examiner: Not yet assigned

Art Unit: 2821

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL

Sir:

Attached is/are:

- ☒ Transmittal Cover Letter (1p. Filed in Dup.); Supplemental Information Disclosure Statement (2pp.); Form PTO 1449 (1p.); 6 cited references

- ☒ Return Receipt Postcard

Fee calculation:

- ☐ No additional fee is required.
- ☐ Small Entity.
- ☐ An extension fee in an amount of \$ \_\_\_\_\_ for a \_\_\_\_\_-month extension of time under 37 C.F.R. § 1.136(a).
- ☐ A petition or processing fee in an amount of \$ \_\_\_\_\_ under 37 C.F.R. § 1.17(\_\_\_\_\_).
- ☐ An additional filing fee has been calculated as shown below:

					Small Entity			Not a Small Entity	
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus			x \$9=			x \$18=	
Indep.		Minus			x 43=			x \$86=	
First Presentation of Multiple Dep. Claim					+\$145=			+\$290=	
					Total	\$		Total	\$

Fee payment:

- ☐ A check in the amount of \$ \_\_\_\_\_ is enclosed.
- ☐ Please charge Deposit Account No. 23-1925 in the amount of \$ \_\_\_\_\_. A copy of this Transmittal is enclosed for this purpose.
- ☐ Payment by credit card in the amount of \$ \_\_\_\_\_ (Form PTO-2038 is attached).
- ☒ The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

Respectfully submitted,

[Signature]  
Anthony P. Curtis, Ph.D. (Reg. No. 46,193)


9/10/04  
Date

references, or other information referred to therein, constitutes "prior art" or is otherwise "material to patentability," as that phrase is defined in 37 C.F.R. §1.56(a).

Applicants have calculated no fee to be due in connection with the filing of this Statement. However, the Director is authorized to charge any fee deficiency associated with the filing of this Statement to a deposit account, as authorized in the Transmittal accompanying this Statement.

Respectfully submitted,

9/10/04  
Date

  
\_\_\_\_\_  
Anthony P. Curtis, Ph.D.  
(Reg. No. 46,193)



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### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, and more particularly in accordance with 37 C.F.R. §1.97(b), Applicants hereby cite the following reference(s):

OTHER ART – NON PATENT LITERATURE DOCUMENTS
S.-J. Park, J. Chen, C. Liu, and J. G. Eden, "Silicon microdischarge devices having inverted pyramidal cathodes: Fabrication and performance of arrays," <i>Appl. Phys. Lett.</i> , vol. 78, pp. 419-421, January 22, 2001.
S.-J. Park, C. J. Wagner, and J. G. Eden, "Performance of microdischarge devices and arrays with screen electrodes," <i>IEEE Photon. Tech. Lett.</i> , vol. 13, pp. 61-63, January 2001.
C. J. Wagner, S.-J. Park, and J. G. Eden, "Excitation of a microdischarge with a reverse-biased <i>pn</i> junction," <i>Appl. Phys. Lett.</i> , vol. 78, pp. 709-711, February 12, 2001.
S.-J. Park, J. Chen, C. Liu, and J. G. Eden, "Arrays of microdischarge devices having 50-100 $\mu$ m square pyramidal Si anodes and screen anodes," <i>Electron. Lett.</i> , vol. 37, pp. 171-172, February 1, 2001.
B. A. Vojak, S.-J. Park, C. J. Wagner, J. G. Eden, R. Koripella, J. Burdon, F. Zenhausern, and D. Wilcox, "Multistage, monolithic ceramic microdischarge device having an active length of $\sim 0.27$ mm," <i>Appl. Phys. Lett.</i> , vol. 78, no. 10, pp. 1340-1342, March 5, 2001.
S.-J. Park, J. G. Eden, J. Chen, and C. Liu, "Independently addressable subarrays of silicon microdischarge devices: Electrical characteristics of large (30 $\times$ 30) arrays and excitation of a phosphor," <i>Appl. Phys. Lett.</i> , vol. 79, pp. 2100-2102, September 24, 2001.

For the Examiner's convenience, Applicants are enclosing Form PTO-1449 (one sheet), along with a copy of each listed reference for which a copy is required under 37 C.F.R. §1.98(a)(2). As each of the listed references is in English, no further commentary is believed to be necessary, 37 C.F.R. §1.98(a)(3). Applicants respectfully request the Examiner's consideration of the above reference(s) and entry thereof into the record of this application.

By submitting this Statement, Applicants are attempting to fully comply with the duty of candor and good faith mandated by 37 C.F.R. §1.56. As such, this Statement is not intended to constitute an admission that any of the enclosed